

## Useful Units of Measure

A teaspoon (**tsp**) or Tablespoon (**Tbsp**) throughout this sheet refers to a level, standard measuring teaspoon or Tablespoon.

1 teaspoon = 0.17 fluid ounce (fl. oz.) = 1/6 fl. oz. = 5 milliliters (ml) = 50-60 (80) drops

**1 Tablespoon** (Tbsp) = 3 teaspoons (tsp) = 15 milliliters (ml) or cubic centimeters (cc) = 1/2 fluid ounce (fl oz) = 0.902 cubic inch (cu. in.)

**1 fl. oz.** = 2 Tbsp. = 6 tsp. = 29.57 ml. or cubic centimeters (cc) = 1.805 cubic inches = 8 fluid drams.

**1 cup** = 16 Tbsp = 48 tsp = 8 fl oz = 236.6 cc = 1/2 pint = 2 gills = 236 ml

**1 pint** (pt) = 16 fl oz = 473.2 cc = 1.04 pounds (lbs.) = 28.87 cu in = 473 ml = 0.473 liters (l.) = 32 Tbsp = 2 cups = 0.125 gallons (gal). Note: 1 pint or quart dry measure is about 16 percent larger than 1 pint or quart liquid measure.

**1 quart** (liquid) = 2 pints = 946.3 ml = 32 fl oz = 57.75 cu in (liquid) = 0.25 gal = 0.946 liter = 4 cups = 64 Tbsp = 946 ml

1 quart (dry) = 67.2 cu in

**1 U.S. gallon** = 4 quarts = 8 pints = 16 cups = 128 fl oz = 0.134 cu ft = 0.83 British gallon = 3,785 ml or cc = 231 cu in (liquid) = 8.3 lbs of water Dry capacity = 269 cu in

1 liter = 1,000 ml or cc = approximately 1 quart, 1 fl oz (or 1.08 quarts) = 0.035 cu ft = 61.02 cu in = 2.1 pints (liquid).

1 gram (gm) = 1,000 milligrams (mg) = 0.035 oz avoirdupois = 15,432 grains

**1 pound (lb)** = 16 ozs = 453.59 grams = 7,000 grains.

1 ton = 2,000 pounds

1 kilogram = 1,000 grams = approximately 2.2 lbs = 35.27 oz

1 ounce (oz) = 28.35 grams = 437.5 grains

1 peck = 0.25 bushel (bu) = 16 pints = 8 qts = 8.8 liters = 32 cups = 537.6 cu in.

**1 bushel** = 4 pecks = 32 qts = 64 pints = 128 cups = 40 seed flats (16 x 23 x 3 inches) = 2150.4 cu in = 1.24 cu ft = approximately 1/20 cubic yard (cu yd) = 35.24 liters.

1 cubic foot (cu ft) = 0.804 bu = 1,728 cu in = 0.031 cu yd = 7.48 gal = 59.84 pints (liquid) = 28.32 liters = 29.92 qts (liquid) = 25.71 qts (dry).

1 cubic foot of water = 7.485 (7.5) gallon = 62.2 lbs. (one pound water = 27.68 cu. in. = 0.016 cu. ft.)

**1 cubic yard (cu. yd.) = 27 cu. ft.** = 46,656 cu. ft. = 202 gallons = 1,616 pints (liquid) = 808 qts. (liquid) = 21.71 bu. = 54 sq. ft. (to a 6 inch depth)

1 inch = 25.4 millimeters (mm.) = 2.54 centimeters (cm.) = 0.0254 meter

1 yard = 3 feet = 0.9144 meter

1 rod = 5.5 yards = 16.5 feet

1 square foot (sq. ft.) = 144 sq. in. = 0.111 sq. yd.

1 square yard (sq. yd.) = 1,296 sq. in. = 9 sq. ft.

**1 Acre** = 43,560 sq. ft. = 4,840 sq. yd. = 0.4047 hectare = a 208.71 ft/side square = a circle with a 235.4 ft diameter

**1 acre inch of water** = 27,000 gallons Could be rainfall or irrigation water. (Actually 27,154 gal)

1 acre-foot is an acre – 1 foot deep = 43,560 cu. ft. = 325,850 gallons water

**1 mile** = 5,280 ft. = 1,760 yards = 1,609.35 meters

1 square mile = 640 acres = 1 section = 2.59 sq. kilometers

10 millimeters (mm.) = 1 centimeter (cm.) = 0.3937 inch

100 centimeters = 1 meter (m.) = 39.37 inches

**1 board foot** of lumber is a board 12" x 12" x 1" thick = 144 cu. in.

**1 cord** of firewood contains 128 cu. ft. by volume & could be 24" wood stacked 4' high & 16' long or 4' x 4' x 8'

A rick or face cord is 64 cu. ft. and could be 24" wood stacked 4' high & 8' long.

A cu. ft. of dry loamy soil weighs 80 lbs., sandy soil 90 lbs., clayey soil 75 lbs.